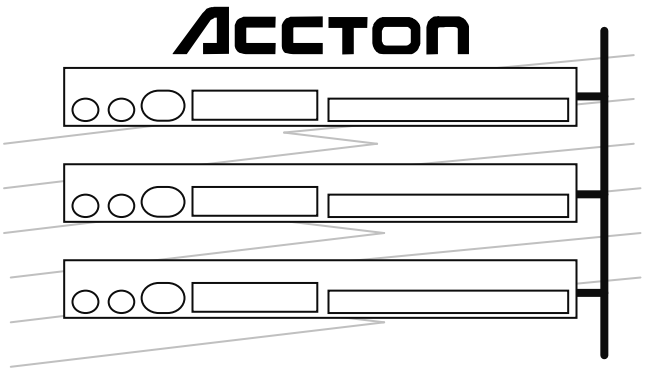
SwitcHub-7s

Installation Manual



Installation Manual

SwitcHub-7s

Smart Ethernet Switch
with **6** 10BASE-T Ports and
1 10BASE-T/100BASE-TX Port

ACCTON

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International Headquarters
No. 1 Creation Road III,
Science-based Industrial Park
Hsinchu 300, Taiwan, R.O.C.
Phone: 886-3-5770-270
FAX: 886-3-5770-267
BBS: 886-3-5770-654
Internet: support@accton.com.tw

USA Headquarters
1962 Zanker Road
San Jose, CA 95112
Phone: 408-452-8900
FAX: 408-452-8988
BBS: 408-452-8828
FAST FAX: 408-452-8811

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ES2007-TX
E1296-R02
150667-101

Package Contents

Carefully unpack the contents of the package and verify them against the checklist given below.

Package Checklist

- ☑ SwitchHub-7s (Model No. ES2007-TX)
- ☑ AC power cord
- ☑ Four rubber foot pads
- ☑ Installation manual
- ☑ Owner registration card

Please inform your dealer immediately should there be any wrong, missing, or damaged parts.

If possible, retain the carton, including the original packing materials. Use them again to repack the unit in case there is a need to return it for repair.

To qualify for product updates and product warranty registration, fill in the **Owner Registration Card** and return it to Accton Technology Corporation.

Quick Installation

The SwitcHub-7s contains six 10BASE-T RJ-45 Ethernet ports, and one RJ-45 port for either 10BASE-T or 100BASE-TX connection (detected by auto-sensing). Each of these ports support full-duplex or half-duplex operation.

The smart design built into the front display panel and configure options provides a friendly interface that simplifies installation and network troubleshooting. If you are already familiar with basic network operations, you should be able to install this switch as described below:

1. Unpack the SwitcHub-7s.

2. Find a location close to the network devices you need to connect, and within easy reach of an electrical outlet.

3. Mount the switch on a desktop or any other flat surface.

4. Ports 1 - 6 operate at 10 Mbps; while Port 7 automatically adjusts to 10 Mbps or 100 Mbps, depending on the transmission speed of the connected device. Connect servers or workstations to the RJ-45 station ports. To connect to another switch or hub, run cable from the daisy-chain port on this switch (Port 7MDI) to a station port on the other device. Otherwise, run cable in the opposite direction – from a daisy-chain port on the other device to a station port on this switch.

   Use 100Ω cable for all connections, Category 3 or greater for 10 Mbps Ethernet and Category 5 for 100 Mbps Ethernet. For standard connections, use straight-through twisted-pair cable. However, if you must make a direct connection between MDI or MDI-X ports (i.e., MDI to MDI, or MDI-X to MDI-X), then use crossover cable. Be sure the length of any twisted-pair connection does not exceed 100 meters.

For integrating legacy networks, Port 7 provides for connection via either 100BASE-TX or 10BASE-T. It uses auto-sensing to dynamically set the required transmission speed at 10 or 100 Mbps.

5. The SwitchHub-7s can serve as a collapsed backbone, or can be connected to any other network interconnection device via one of the 10 Mbps ports or the 100 Mbps port. (Refer to Chapter 3 for sample applications.)

6. Set the transmission mode for each port to full duplex or half duplex using the Configure button. (Refer to Full/Half Duplex Mode Selection in Chapter 2.) Full-duplex communications can only be supported for a dedicated link (i.e., set communications to half duplex if you are connecting to a shared collision domain). Remember that the selected mode must correspond to that supported by the connected device.

7. Verify network communications by ensuring that -

- you have made all the necessary connections
- you can access any connected resources
- the hub's indicator LEDs are functioning properly

Note: For devices connected to Port 7, the system will automatically detect transmission speed (10/100 Mbps). However, note that unless connected devices are operating at half duplex (i.e., system default), you will have to manually set the transmission mode via the Configure button. (Refer to Full/Half Duplex Mode Selection in Chapter 2).

If you encounter any problems in installing the SwitchHub-7s, refer to Chapter 2 for a detailed description of installation procedures, or to Appendix A for help in troubleshooting.

About this Guide

This guide is designed for the experienced network installer. It describes how to install and operate Accton's SwitcHub-7s Smart Ethernet switch. After reading this manual, you should be able to use the front display panel and configure options to manage all your network connections.

This manual covers the following topics:

Chapter 1 - **Product Overview**
Brief description of switching technology, followed by a description of this switch and a summary of its important features and specifications.

Chapter 2 - **Setup and Configuration**
Installing a SwitcHub-7s and making basic network connections. Shows sample network configurations for a local area network.

Chapter 3 - **Network Applications**
Provides a brief description of several common network configurations.

Chapter 4 - **Hardware Reference**
Detailed description of indicator panel and ports.

Appendices - Troubleshooting, cable assignments, and product specifications.

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